

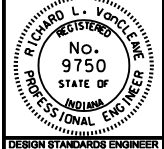

**REQUIREMENTS FOR CORRUGATED STEEL PIPE THICKNESS  
AND PROTECTION AT NON-ABRASIVE SITES**

pH	≤ 4.0	4.5	5.0	5.5	6.0	6.5	≥ 7.0	Steel Conduit Type	
Thickness (in.) required for 50 year Design Service Life				0.168	0.168	0.138	0.109	Zinc Coated Corrugated Steel Pipe Zinc Coated Corrugated Steel Pipe-Arch	
				0.138	0.109	0.109	0.079	0.064	Zinc Coated Corrugated Steel Pipe w/Paved Invert Zinc Coated Corrugated Steel Pipe-Arch w/Paved Invert Fully Bituminous Coated and Lined Corrugated Steel Pipe Fully Bituminous Coated and Lined Corrugated Steel Pipe-Arch
				0.138	0.109	0.109	0.079	0.064	Aluminum Coated Type 2 Corrugated Steel Pipe Aluminum Coated Type 2 Corrugated Steel Pipe-Arch
	0.109	0.109	0.079	0.064	0.064	0.064	0.064	Polymer Precoated Galvanized Corrugated Steel Pipe Polymer Precoated Galvanized Corrugated Steel Pipe-Arch Fiber Bonded Bituminous Coated Corrugated Steel Pipe Fiber Bonded Bituminous Coated Corrugated Steel Pipe-Arch	
	0.111	0.111	0.111	0.170	0.111	0.111	0.111	Structural Plate Steel Pipe Structural Plate Steel Pipe-Arch	

\* -- Concrete field paving required

pH	≤ 4.0	4.5	5.0	5.5	6.0	6.5	≥ 7.0	Steel Conduit Type
Thickness (in.) required for 75 year Design Service Life						0.168	0.138	Zinc Coated Corrugated Steel Pipe Zinc Coated Corrugated Steel Pipe-Arch
						0.168	0.109	Zinc Coated Corrugated Steel Pipe w/Paved Invert Zinc Coated Corrugated Steel Pipe-Arch w/Paved Invert Fully Bituminous Coated and Lined Corrugated Steel Pipe Fully Bituminous Coated and Lined Corrugated Steel Pipe-Arch
						0.168	0.109	Aluminum Coated Type 2 Corrugated Steel Pipe Aluminum Coated Type 2 Corrugated Steel Pipe-Arch
	0.168	0.168	0.168	0.138	0.138	0.109	0.109	Polymer Precoated Galvanized Corrugated Steel Pipe Polymer Precoated Galvanized Corrugated Steel Pipe-Arch Fiber Bonded Bituminous Coated Corrugated Steel Pipe Fiber Bonded Bituminous Coated Corrugated Steel Pipe-Arch
	0.111*	0.111*	0.111*	0.218	0.111	0.111	0.111	Structural Plate Steel Pipe Structural Plate Steel Pipe-Arch

\* -- Concrete field paving required  
Refer to Standard Drawing E 715-PSLC-03 for General Notes.

INDIANA DEPARTMENT OF TRANSPORTATION	
<b>PIPE SERVICE LIFE CRITERIA</b>	
SEPTEMBER 2002	
STANDARD DRAWING NO. E 715-PSLC-01	
	/s/ Richard L. VanCleave      9-03-02 DESIGN STANDARDS ENGINEER      DATE
	/s/ Richard K. Smutzer      9-03-02 CHIEF HIGHWAY ENGINEER      DATE